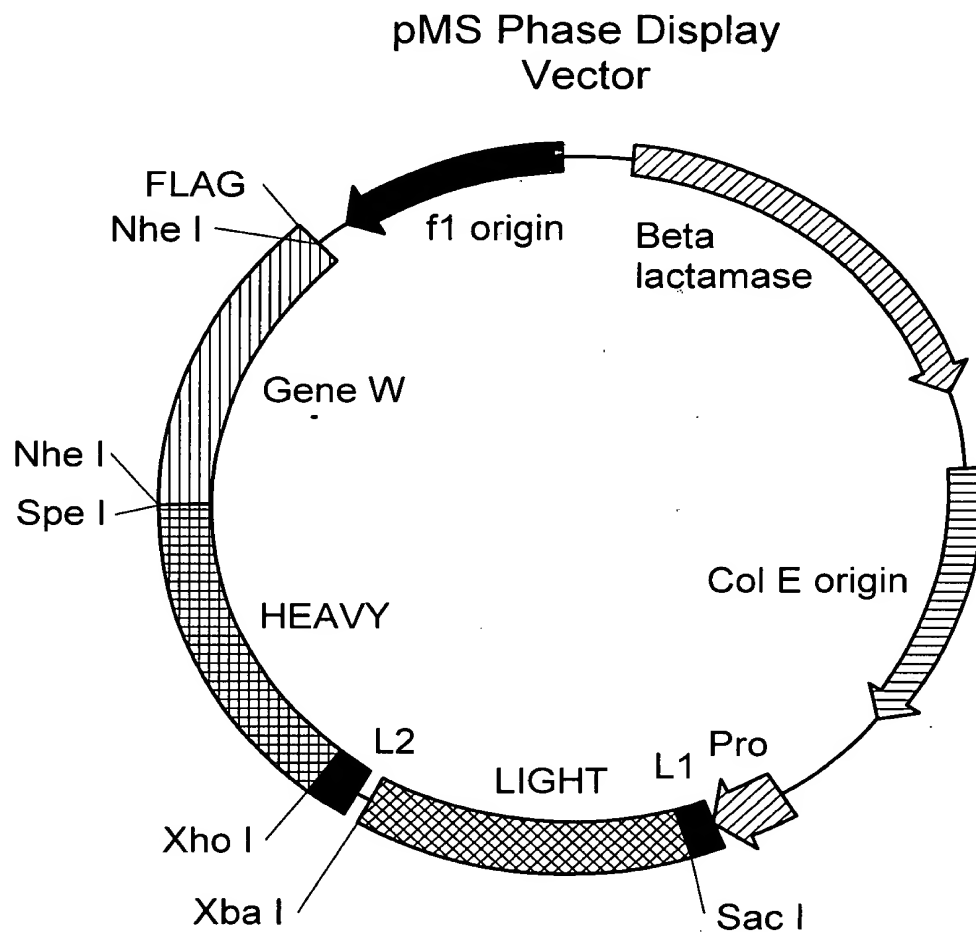


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

6113898

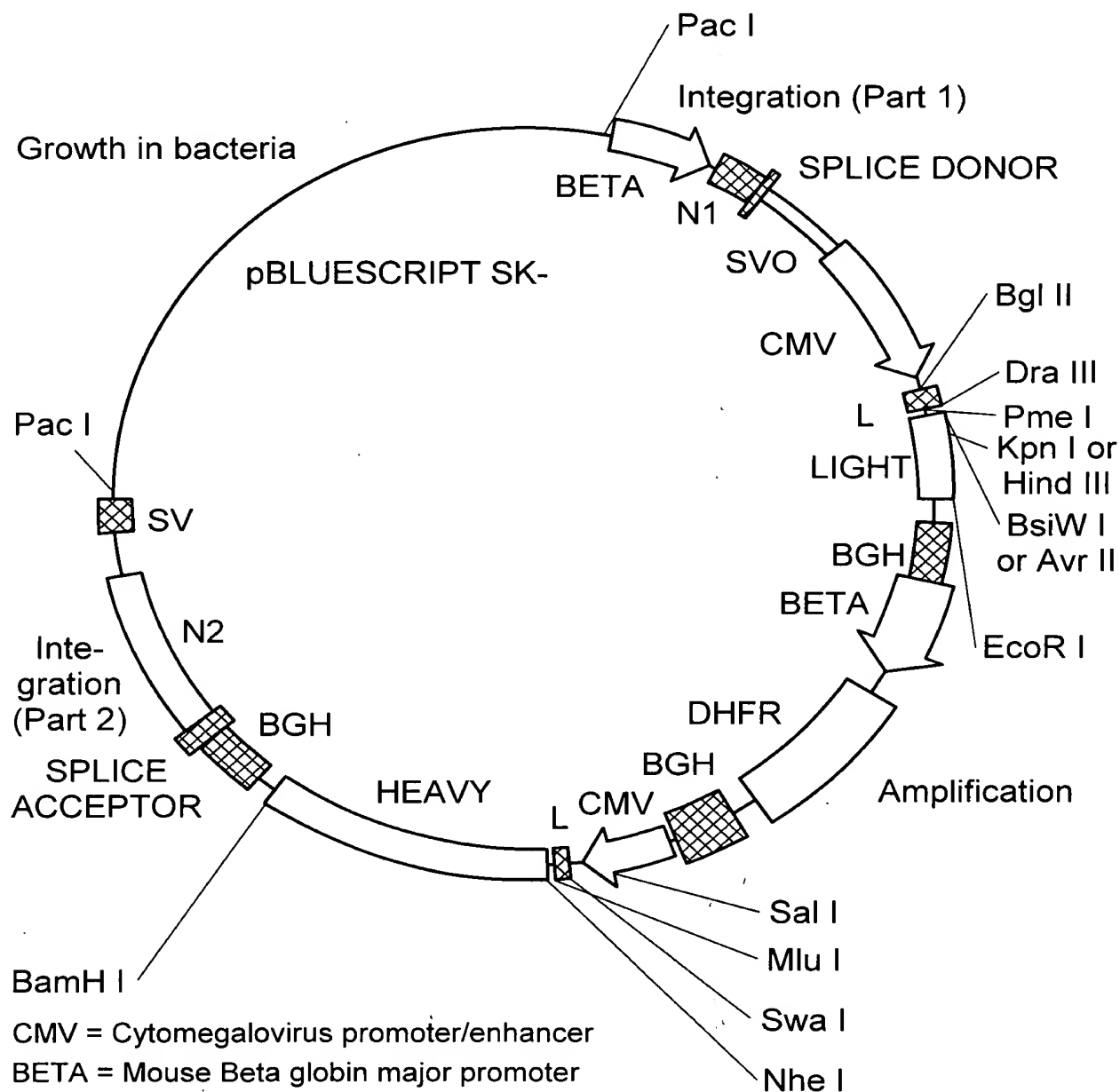
FIG. 1



2/25

FIG. 2

NEOSPLA



CMV = Cytomegalovirus promoter/enhancer

BETA = Mouse Beta globin major promoter

SVO = SV40 origin

BGH = Bovine growth hormone polyadenylation

SV = SV40 polyadenylation

N1 = Neomycin phosphotransferase exon 1

N2 = Neomycin phosphotransferase exon 2

LIGHT = Human immunoglobulin kappa or lambda constant region

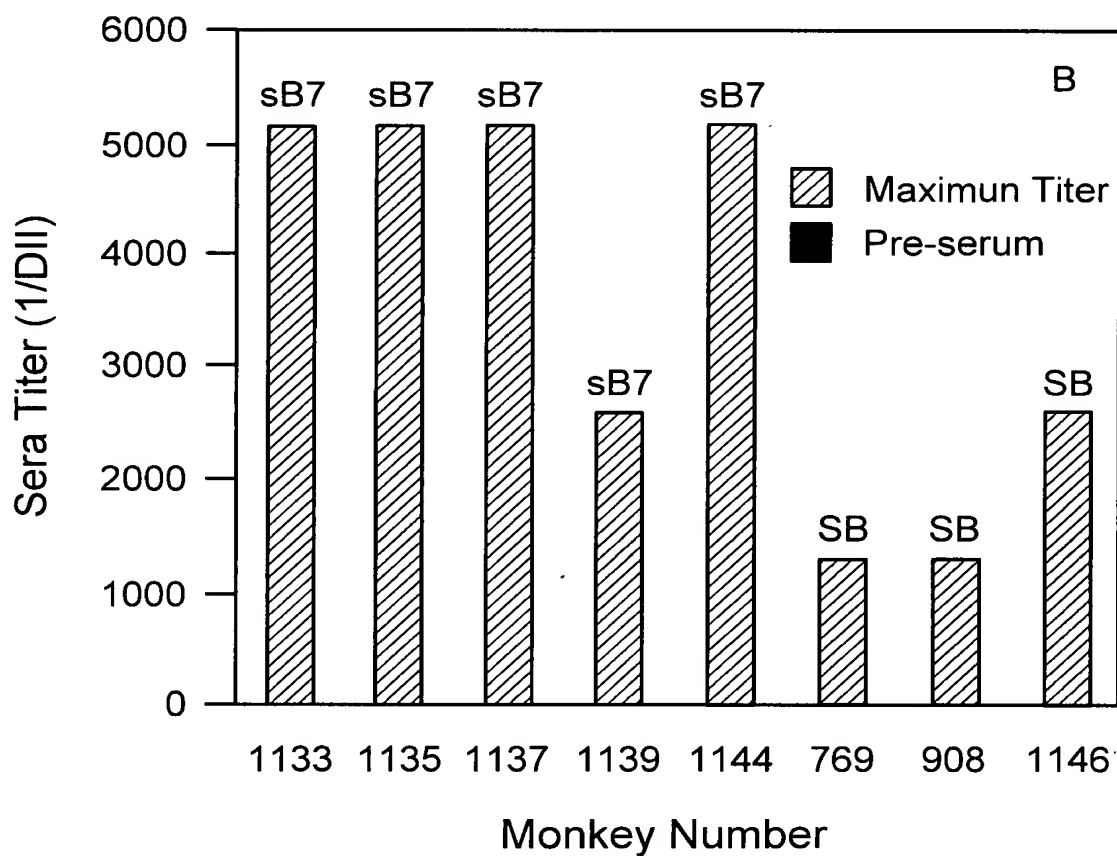
DHFR = Dihydrofolate Reductase

HEAVY = Human immunoglobulin gamma 1 or gamma 4 PE constant region

L = Leader

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

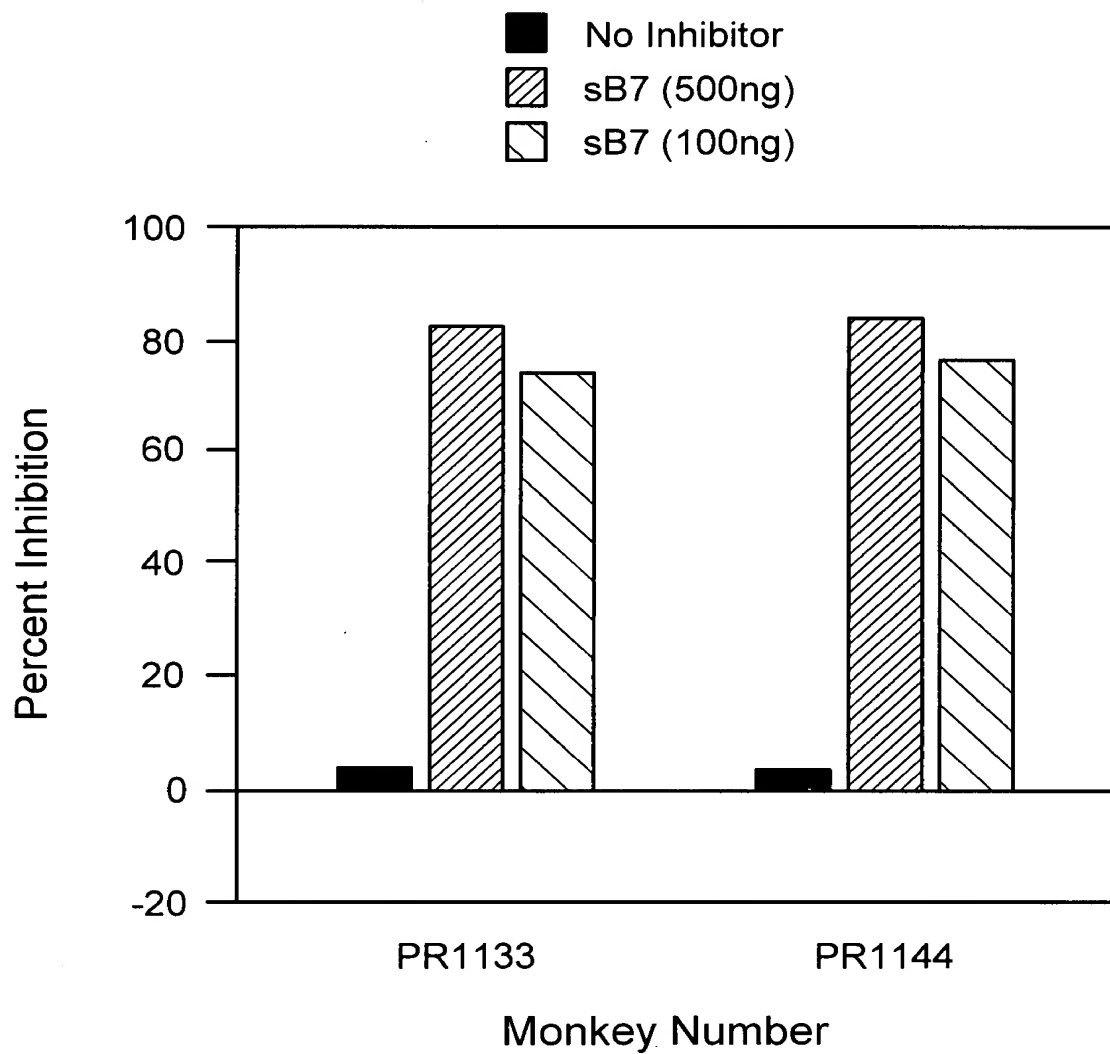
FIG. 3



Monkey Serum Anti-B7.1 Titers Directed Against Cell Surface B7.1 on Transfected CHO Cells. Monkeys 1133-1139 were immunized with sB7.1. Monkeys 769-1146 were immunized with 50 million human B7 positive SB cells.

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

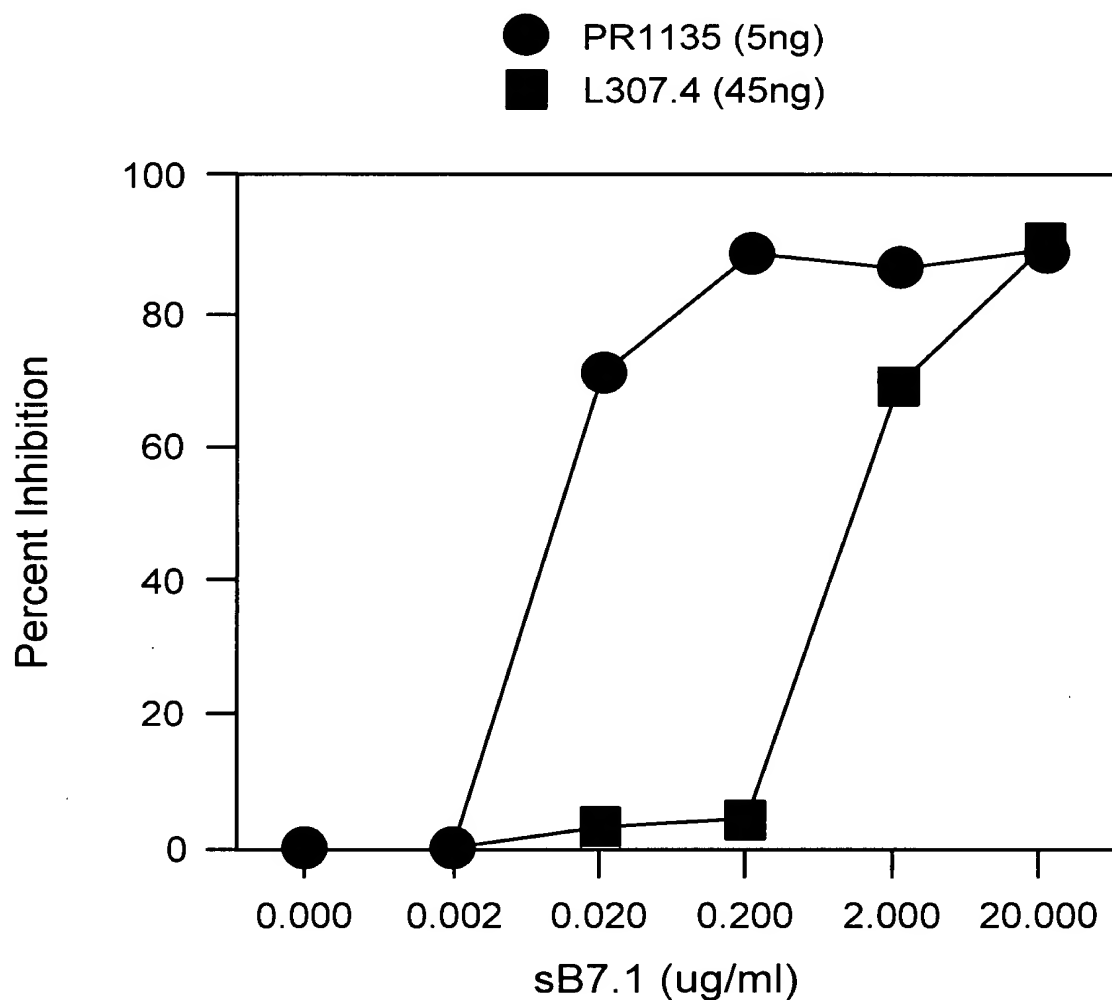
FIG. 4



Inhibition of Radiolabeled sB7.1 Binding by sB7.1 Affinity-purified Monkey Antibodies in Presence of Unlabeled sB7 and MAb L307.4 Murine Anti-B7.1.

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

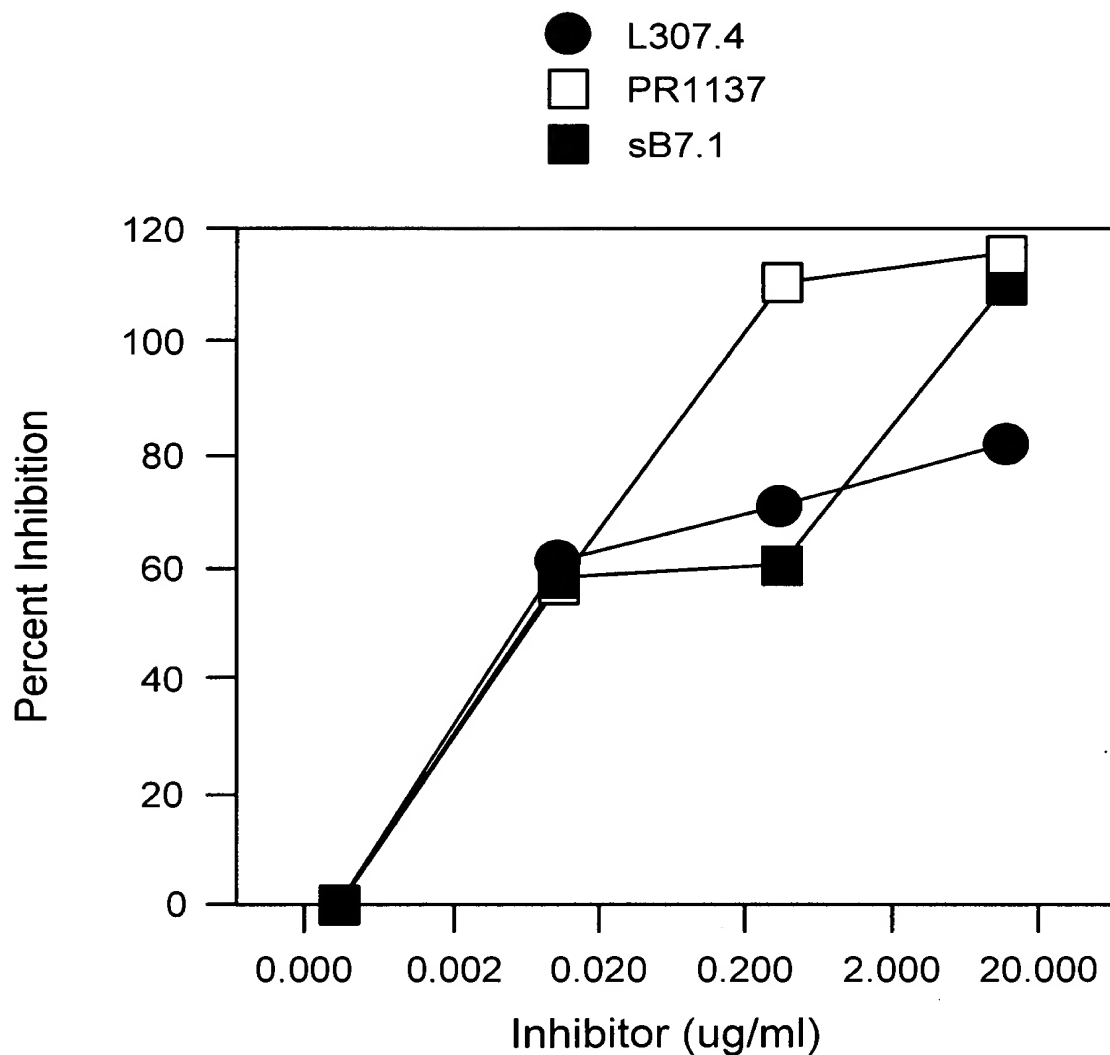
FIG. 5



Inhibition of Binding of Radiolabeled Monkey 1135 and L307.4 Anti-B7.1 Antibodies to B7 Positive Human SB Cells by Competition With Affinity-Purified sB7.1.

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

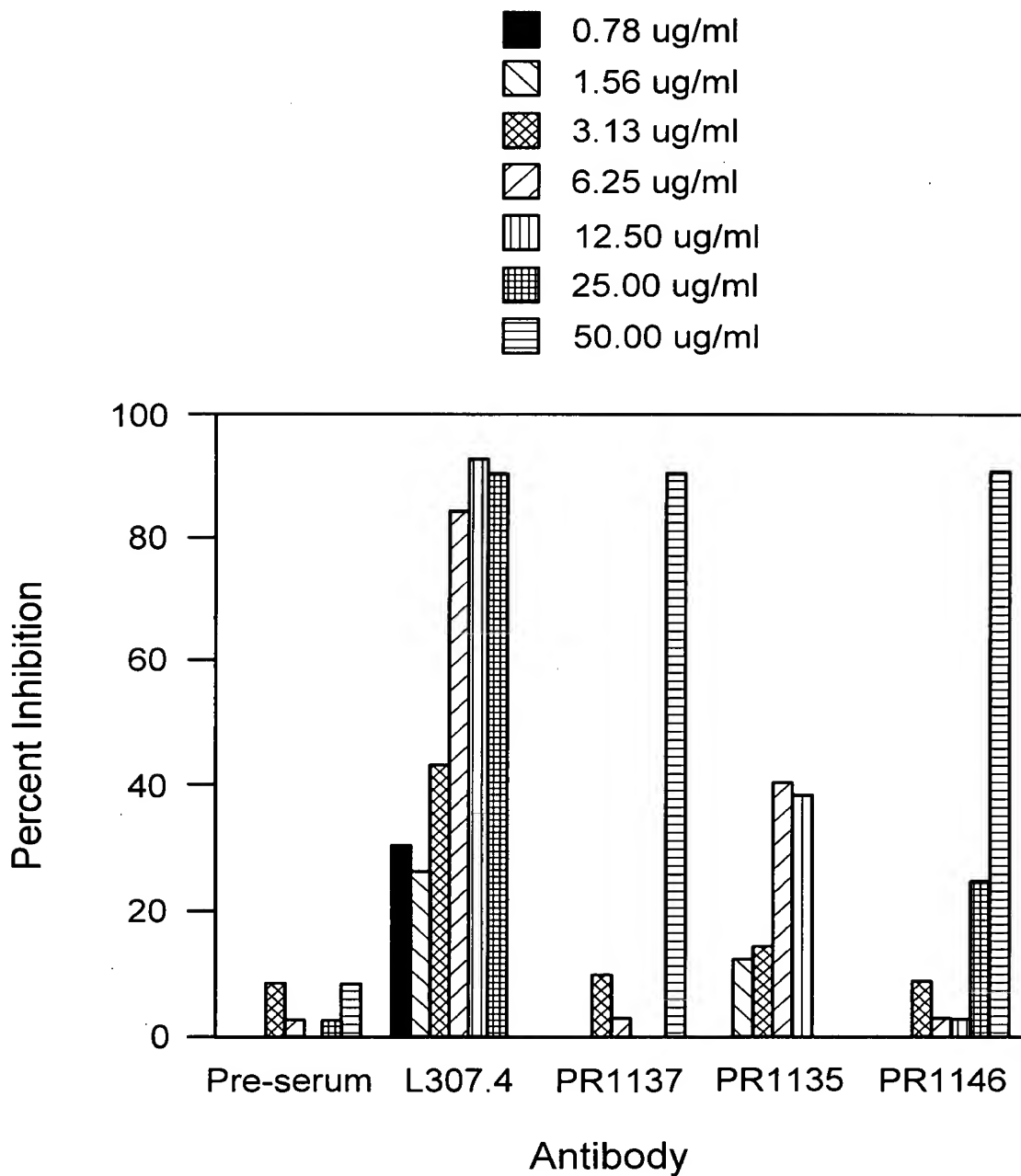
FIG. 6



Inhibition of Radiolabeled B7-Ig Binding to Activated Human Peripheral Blood T Cells by Competing With Unlabeled sB7.1 Murine Anti-B7.1 (L307.4) and Monkey 1127 Affinity-purified Serum Antibodies.

APPROVED	Q.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 7



Inhibition of IL-2 Production in Mixed Lymphocyte Cultures by Anti-B7.1 Affinity-purified Monkey Serum Antibodies. Assays at some concentrations for certain monkeys were not done, due to limiting amounts of purified antibody.

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

LENGTH OF 7C10 LIGHT/PRIMATIZED: 705 bp; LISTED FROM: 1 TO: 705;
 TRANSLATED FROM: 1 TO: 703 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:11 AM

```

FRAME 1 M   R   V   P   A   Q   L   L   G   L   L   L   L
          ATG AGG GTC CCC GCT CAG CTC CTG GGG CTC CTG CTG CTC
                9                18                27                36

W   L   P   G   A   R   C   A   Y   E   L   T   Q   P   P
TGG CTC CCA GGT GCA CGA TGT GCC TAT GAA CTG ACT CAG CCA CCC
      45                54                63                72                81

S   V   S   V   S   P   G   Q   T   A   R   I   T   C   G
TCG GTG TCA GTG TCC CCA GGA CAG ACG GCC AGG ATC ACC TGT GGG
      90                99                108                117                126

G   D   N   S   R   N   E   Y   V   H   W   Y   Q   Q   K
GGA GAC AAC AGT AGA AAT GAA TAT GTC CAC TGG TAC CAG CAG AAG
      135                144                153                162                171

P   A   R   A   P   I   L   V   I   Y   D   D   S   D   R
CCA GCG CGG GCC CCT ATA CTG GTC ATC TAT GAT GAT AGT GAC CGG
      180                189                198                207                216

P   S   G   I   P   E   R   F   S   G   S   K   S   G   N
CCC TCA GGG ATC CCT GAG CGA TTC TCT GGCTCC AAA TCA GGGAAC
      225                234                243                252                261

T   A   T   L   T   I   N   G   V   E   A   G   D   E   A
ACC GCC ACC CTG ACC ATC AAC GGG GTC GAG GCC GGG GAT GAG GCT
      270                279                288                297                306

D   Y   Y   C   Q   V   W   D   R   A   S   D   H   P   V
GAC TAT TAC TGT CAG GTG TGG GAC AGG GCT AGT GAT CAT CCG GTC
      315                324                333                342                351

F   G   G   G   T   R   V   T   V   L   G   Q   P   K   A
TTC GGAGGA GGG ACC CGGGTG ACC GTC CTA GGT CAG CCC AAG GCT
      360                369                378                387                396

A   P   S   V   T   L   F   P   P   S   S   E   E   L   Q
GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC TCT GAG GAG CTT CAA
      405                414                423                432                441

A   N   K   A   T   L   V   C   L   I   S   D   F   Y   P
GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC TTC TAC CCG
      450                459                468                477                486

```

FIG. 8A - 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

G	A	V	T	V	A	W	K	A	D	S	S	P	V	K
GGAGCC	GTG	ACA	GTG	GCC	TGG	AAG	GCA	GAT	AGC	AGC	CCC	GTC	AAG	
495			504			513			522			531		
A	G	V	E	T	T	T	P	S	K	Q	S	N	N	K
GCGGGA	GTG	GAG	ACC	ACC	ACA	CCC	TCC	AAA	CAA	AGC	AAC	AAC	AAG	
540			549			558			567			576		
Y	A	A	S	S	Y	L	S	L	T	P	E	Q	W	K
TAC	GCGGCC	AGC	AGC	TAC	CTG	AGC	CTG	ACG	CCT	GAG	CAG	TGG	AAG	
585			594			603			612			621		
S	H	R	S	Y	S	C	Q	V	T	H	E	G	S	T
TCC	CAC	AGA	AGC	TAC	AGC	TGC	CAG	GTC	ACG	CAT	GAA	GGG	AGC	ACC
630			639			648			657			666		
V	E	K	T	V	A	P	T	E	C	S				
GTG	GAGA	AAG	ACA	GTG	GCC	CCT	ACA	GAA	TGT	TCA	TGA			
675			684			693			702					

FIG. 8A - 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

LENGTH OF 7C10 HEAVY/PRIMATIZED: 1431 bp; LISTED FROM: 1 TO: 1431
 TRANSLATED FROM: 1 TO: 1429 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:11 AM

```

FRAME 1 M   K   H   L   W   F   F   L   L   L   V   A   A
          ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT
                    9             18             27             36

P   R   W   V   L   S   Q   V   K   L   Q   Q   W   G   E
CCC AGA TGG GTC CTG TCC CAG GTG AAG CTG CAG CAG TGG GGC GAA
          45             54             63             72             81

G   L   L   Q   P   S   E   T   L   S   R   T   C   V   V
GGA CTT CTG CAG CCT TCG GAG ACC CTG TCC CGC ACC TGC GTT GTC
          90             99             108            117            126

S   G   G   S   I   S   G   Y   Y   Y   W   T   W   I   R
TCT GGT GGCTCC ATC AGC GGT TAC TAC TAC TGG ACC TGG ATC CGC
          135            144            153            162            171

Q   T   P   G   R   G   L   E   W   I   G   H   I   Y   G
CAG ACC CCA GGGAGG GGA CTG GAG TGG ATT GGCCAT ATT TAT GGT
          180            189            198            207            216

N   G   A   T   T   N   Y   N   P   S   L   K   S   R   V
AAT GGT GCGACC ACC AAC TAC AAT CCC TCC CTC AAG AGT CGA GTC
          225            234            243            252            261

T   I   S   K   D   T   S   K   N   Q   F   F   L   N   L
ACC ATT TCA AAA GAC ACG TCC AAG AAC CAG TTC TTC CTG AAC TTG
          270            279            288            297            306

N   S   V   T   D   A   D   T   A   V   Y   Y   C   A   R
AAT TCT GTG ACC GAC GCGGAC ACG GCC GTC TAT TAC TGT GCGAGA
          315            324            333            342            351

G   P   R   P   D   C   T   T   I   C   Y   G   G   W   V
GGCCCT CGC CCT GAT TGC ACA ACC ATT TGT TAT GGCGGCTGG GTC
          360            369            378            387            396

D   V   W   G   P   G   D   L   V   T   V   S   S   A   S
GAT GTC TGG GGCCCG GGA GAC CTG GTC ACC GTC TCC TCA GCT AGC
          405            414            423            432            441

T   K   G   P   S   V   F   P   L   A   P   S   S   K   S
ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC AAG AGC
          450            459            468            477            486

```

FIG. 8B - 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
RAFTSMAN		

T S G G T A A L G C L V K D Y
 ACC TCT GGGGGCACA GCGGCC CTG GGCTGC CTG GTC AAG GAC TAC
 495 504 513 522 531

F P E P V T V S W N S G A L T
 TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA GGC GCC CTG ACC
 540 549 558 567 576

S G V H T F P A V L Q S S G L
 AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA CAG TCC TCA GGA CTC
 585 594 603 612 621

Y S L S S V V T V P S S S L G
 TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC TTG GGC
 630 639 648 657 666

T Q T Y I C N V N H K P S N T
 ACC CAG ACC TAC ATC TGC AAC GTG AAT CAC AAG CCC AGC AAC ACC
 675 684 693 702 711

K V D K K A E P K S C D K T H
 AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA ACT CAC
 720 729 738 747 756

T C P P C P A P E L L G G P S
 ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC CTG GGGGGA CCG TCA
 765 774 783 792 801

V F L F P P K P K D T L M I S
 GTC TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG ATC TCC
 810 819 828 837 846

R T P E V T C V V V D V S H E
 CGG ACC CCT GAG GTC ACA TGC GTG GTG GTG GAC GTG AGC CAC GAA
 855 864 873 882 891

D P E V K F N W Y V D G V E V
 GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGC GTG GAG GTG
 900 909 918 927 936

H N A K T K P R E E Q Y N S T
 CAT AAT GCC AAG ACA AAG CCG CGG GAG GAG CAG TAC AAC AGC ACG
 945 954 963 972 981

Y R V V S V L T V L H Q D W L
 TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC TGG CTG
 990 999 1008 1017 1026

FIG. 8B - 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

N AAT 1035	G GGCAAG 1035	K GAG 1044	E TAC 1044	Y AAG 1053	K TGC 1053	C AAG 1062	K GTC 1062	V TCC 1071	S AAC 1071	N AAA 1071	K GCC 1071	A CTC 1071	L CCA 1071	P CCA 1071
A GCC 1080	P CCC 1080	I ATC 1089	E GAG 1089	K AAA 1098	T ACC 1098	I ATC 1098	S TCC 1107	K AAA 1107	A GCC 1107	K AAA 1116	G GGGCAG 1116	Q CCC 1116	P CGA 1116	R CGA 1116
E GAA 1125	P CCA 1134	Q CAG 1134	V GTG 1143	Y TAC 1143	T ACC 1152	L CTG 1152	P CCC 1161	P CCA 1161	S TCC 1161	R CGG 1161	D GAT 1161	E GAG 1161	L CTG 1161	T ACC 1161
K AAG 1170	N AAC 1179	Q CAG 1179	V GTC 1188	S AGC 1188	L CTG 1197	T ACC 1197	C TGC 1206	L CTG 1206	V GTC 1206	K AAA 1206	G GGCTTC 1206	F TAT 1206	Y CCC 1206	P CCC 1206
S AGC 1215	D GAC 1224	I ATC 1224	A GCC 1233	V GTG 1233	E GAG 1242	W TGG 1242	E GAG 1251	S AGC 1251	N AAT 1251	G GGGCAG 1251	Q CCG 1251	P GAGA 1251	E AAC 1251	N AAC 1251
N AAC 1260	Y TAC 1269	K AAG 1269	T ACC 1278	T ACG 1278	P CCT 1287	P CCC 1287	V GTG 1296	L CTG 1296	D GAC 1296	S TCC 1296	D GAC 1296	G GGCTCC 1296	S TTC 1296	F TTC 1296
F TTC 1305	L CTC 1314	Y TAC 1314	S AGC 1323	K AAG 1323	L CTC 1332	T ACC 1332	V GTG 1341	D GAC 1341	K AAG 1341	S AGC 1341	R AGG 1341	W TGG 1341	Q CAG 1341	Q CAG 1341
G GGGAAC 1350	N GTC 1359	V TTC 1359	F TCA 1368	S TGC 1368	C TCC 1377	S GTG 1377	V ATG 1386	M CAT 1386	H GAG 1386	E GCT 1386	A CTG 1386	L CAC 1386	H AAC 1386	N AAC 1386
H CAC 1395	Y TAC 1404	T ACG 1404	Q CAG 1413	K AAG 1413	S AGC 1422	L CTC 1431	S TCC 1431	L CTG 1431	S TCT 1431	P CCG 1431	G GGT 1431	K AAA 1431	.TGA 1431	.TGA 1431

FIG. 8B - 3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

LENGTH OF 7B6 LIGHT/PRIMATIZED: 720 bp; LISTED FROM: 1 TO: 720;
 TRANSLATED FROM: 1 TO: 718 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:10 AM

```

FRAME 1 M   S   L   P   A   Q   L   L   G   L   L   L   L
          ATG AGC CTC CCT GCT CAG CTC CTC GGGCTG CTA TTG CTC
                    9             18             27             36

C   V   P   G   S   S   G   E   V   V   M   T   Q   S   P
TGC GTC CCC GGGTCC AGT GGGGAA GTT GTGATG ACT CAGTCT CCA
      45             54             63             72             81

L   S   L   P   I   T   P   G   E   P   A   S   I   S   C
CTG TCC CTT CCCATC ACA CCT GGAGAGCCG GCGCTCC ATC TCC TGT
      90             99             108            117            126

R   S   S   Q   S   L   K   H   S   N   G   D   T   F   L
AGG TCT AGT CAA AGC CTT AAA CAC AGT AAT GGAGAC ACC TTC CTG
      135            144            153            162            171

S   W   Y   Q   Q   K   P   G   Q   P   P   R   L   L   I
AGT TGGTAT CAG CAG AAG CCA GGCCAA CCT CCA AGGCTC CTG ATT
      180            189            198            207            216

Y   K   V   S   N   R   D   S   G   V   P   D   R   F   S
TAT AAG GTT TCT AAC CGGGAC TCT GGGGTC CCA GAC AGA TTC AGC
      225            234            243            252            261

G   S   G   A   G   T   D   F   T   L   K   I   S   A   V
GGCAGT GGGGCA GGGACA GAT TTC ACA CTG AAA ATC AGC GCA GTG
      270            279            288            297            306

E   A   E   D   V   G   V   Y   F   C   G   Q   G   T   R
GAGGCT GAA GAT GTT GGGGTT TAT TTC TGC GGGCAA GGT ACA AGG
      315            324            333            342            351

T   P   P   T   F   G   G   G   T   K   V   E   I   K   R
ACT CCT CCC ACT TTC GGCGGA GGGACC AAG GTG GAA ATC AAA CGT
      360            369            378            387            396

T   V   A   A   P   S   V   F   I   F   P   P   S   D   E
ACG GTG GCT GCA CCA TCT GTC TTC ATC TTC CCG CCA TCT GAT GAG
      405            414            423            432            441

Q   L   K   S   G   T   A   S   V   V   C   L   L   N   N
CAG TTG AAA TCT GGA ACT GCCTCT GTT GTG TGC CTG CTG AAT AAC
      450            459            468            477            486
  
```

FIG. 9A - 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

F Y P R E A K V Q W K V D N A
TTC TAT CCC AGA GAG GCC AAA GTA CAG TGG AAG GTG GAT AAC GCC
495 504 513 522 531

L Q S G N S Q E S V T E Q D S
CTC CAA TCG GGT AAC TCC CAG GAG AGT GTC ACA GAG CAG GAC AGC
540 549 558 567 576

K D S T Y S L S S T L T L S K
AAG GAC AGC ACC TAC AGC CTC AGC AGC ACC CTG ACG CTG AGC AAA
585 594 603 612 621

A D Y E K H K V Y A C E V T H
GCA GAC TAC GAG AAA CAC AAA GTC TAC GCC TGC GAA GTC ACC CAT
630 639 648 657 666

Q G L S S P V T K S F N R G E
CAG GGC CTG AGC TCG CCC GTC ACA AAG AGC TTC AAC AGG GGA GAG
675 684 693 702 711

C
TGT TGA
720

FIG. 9A - 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

LENGTH OF 7B6 HEAVY/PRIMATIZED: 1437 bp; LISTED FROM: 1 TO: 1437
 TRANSLATED FROM: 1 TO: 1435 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:09 AM

```

FRAME 1 M   G   W   S   L   I   L   L   F   L   V   A   V
          ATG GGT TGG AGC CTC ATC TTG CTC TTC CTT GTC GCT GTT
                9                18                27                36

A   T   R   V   Q   C   E   V   Q   L   V   E   S   G   G
GCT ACG CGT GTC CAG TGT GAG GTG CAA CTG GTG GAG TCT GGGGGA
      45                54                63                72                81

G   L   V   Q   P   G   G   S   L   R   V   S   C   A   V
GGC TTG GTC CAG CCT GGC GGG TCC CTG AGA GTC TCC TGT GCA GTC
      90                99                108                117                126

S   G   F   T   F   S   D   H   Y   M   Y   W   F   R   Q
TCT GGA TTC ACC TTC AGT GAC CAC TAC ATG TAT TGG TTC CGC CAG
      135                144                153                162                171

A   P   G   K   G   P   E   W   V   G   F   I   R   N   K
GCT CCA GGGAAG GGGCCG GAA TGG GTA GGT TTC ATT AGA AAC AAA
      180                189                198                207                216

P   N   G   G   T   T   E   Y   A   A   S   V   K   D   R
CCG AAC GGT GGGACA ACA GAA TAC GCC GCG TCT GTG AAA GAC AGA
      225                234                243                252                261

F   T   I   S   R   D   D   S   K   S   I   A   Y   L   Q
TTC ACC ATC TCC AGA GAT GAT TCC AAA AGC ATC GCC TAT CTG CAA
      270                279                288                297                306

M   S   S   L   K   I   E   D   T   A   V   Y   Y   C   T
ATG AGC AGC CTG AAA ATC GAG GAC ACG GCC GTC TAT TAC TGT ACT
      315                324                333                342                351

T   S   Y   I   S   H   C   R   G   G   V   C   Y   G   G
ACA TCC TAC ATT TCA CAT TGT CGGGGT GGT GTC TGC TAT GGAGGT
      360                369                378                387                396

Y   F   E   F   W   G   Q   G   A   L   V   T   V   S   S
TAC TTC GAA TTC TGG GGCCAG GGC GCC CTG GTC ACC GTC TCC TCA
      405                414                423                432                441

A   S   T   K   G   P   S   V   F   P   L   A   P   S   S
GCT AGC ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC
      450                459                468                477                486

```

FIG. 9B - 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

K S T S G G T A A L G C L V K
 AAG AGC ACC TCT GGGGGCACA GCGGCCCTG GGCTGC CTG GTC AAG
 495 504 513 522 531

D Y F P E P V T V S W N S G A
 GAC TAC TTC CCC GAA CCG GTG ACG GTG TCG TGG AAC TCA GGC GCC
 540 549 558 567 576

L T S G V H T F P A V L Q S S
 CTG ACC AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA CAG TCC TCA
 585 594 603 612 621

G L Y S L S S V V T V P S S S
 GGACTC TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC
 630 639 648 657 666

L G T Q T Y I C N V N H K P S
 TTG GGCACC CAG ACC TAC ATC TGC AAC GTG AAT CAC AAG CCC AGC
 675 684 693 702 711

N T K V D K K A E P K S C D K
 AAC ACC AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT TGT GAC AAA
 720 729 738 747 756

T H T C P P C P A P E L L G G
 ACT CAC ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC CTG GGGGGA
 765 774 783 792 801

P S V F L F P P K P K D T L M
 CCGTCA GTC TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG
 810 819 828 837 846

I S R T P E V T C V V V D V S
 ATC TCC CGGACC CCT GAG GTC ACA TGC GTG GTG GTG GAC GTG AGC
 855 864 873 882 891

H E D P E V K F N W Y V D G V
 CAC GAA GAC CCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGC GTG
 900 909 918 927 936

E V H N A K T K P R E E Q Y N
 GAG GTG CAT AAT GCC AAG ACA AAG CCG CGG GAG GAG CAG TAC AAC
 945 954 963 972 981

S T Y R V V S V L T V L H Q D
 AGC ACG TAC CGT GTG GTC AGC GTC CTC ACC GTC CTG CAC CAG GAC
 990 999 1008 1017 1026

FIG. 9B - 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

W TGG 1035	L CTG 1080	N AAT 1089	G GGCAAG 1134	K GAG 1143	E TAC 1143	Y AAG 1152	K TGC 1152	C AAG 1161	K GTC 1170	V TCC 1179	S AAC 1188	N AAA 1197	K GCC 1206	A GCC 1215
L CTC 1080	P CCA 1089	A GCC 1134	P CCC 1143	I ATC 1143	E GAG 1152	K AAA 1161	T ACC 1170	I ATC 1179	S TCC 1188	K AAA 1197	A GCC 1206	K AAA 1215	G GGGCAG 1224	Q GGGCAG 1233
P CCC 1125	R CGA 1134	E GAA 1143	P CCA 1152	Q CAG 1161	V GTG 1170	Y TAC 1179	T ACC 1188	L CTG 1197	P CCC 1206	P CCA 1215	S TCC 1224	R CGG 1233	D GAT 1242	E GAG 1251
L CTG 1170	T ACC 1179	K AAG 1188	N AAC 1197	Q CAG 1206	V GTC 1215	S AGC 1224	L CTG 1233	T ACC 1242	C TGC 1251	L CTG 1260	V GTC 1269	K AAA 1278	G GGCTTC 1287	F GGCTTC 1296
Y TAT 1215	P CCC 1224	S AGC 1233	D GAC 1242	I ATC 1251	A GCC 1260	V GTG 1269	E GAG 1278	W TGG 1287	E GAG 1296	S AGC 1305	N AAT 1314	G GGGCAG 1323	Q GGGCAG 1332	P CCG 1341
E GAGA 1260	N AAC 1269	N AAC 1278	Y TAC 1287	K AAG 1296	T ACC 1305	T ACG 1314	P CCT 1323	P CCC 1332	V GTG 1341	L CTG 1350	D GAC 1359	S TCC 1368	D GAC 1377	G GGC 1386
S TCC 1305	F TTC 1314	F TTC 1323	L CTC 1332	Y TAC 1341	S AGC 1350	K AAG 1359	L CTC 1368	T ACC 1377	V GTG 1386	D GAC 1395	K AAG 1404	S AGC 1413	R AGC 1422	W AGG 1431
Q CAG 1350	Q CAG 1359	G GGGAAC 1368	N GTC 1377	V TTC 1386	F TCA 1395	S TGC 1404	C TCC 1413	S GTG 1422	V ATG 1431	M CAT 1440	H GAG 1449	E GAG 1458	A GCT 1467	L CTG 1476
H CAC 1395	N AAC 1404	H CAC 1413	Y TAC 1422	T ACG 1431	Q CAG 1440	K AAG 1449	S AGC 1458	L CTC 1467	S TCC 1476	L CTG 1485	S TCT 1494	P CCG 1503	G GGT 1512	K AAA 1521

TGA

FIG. 9B - 3

APPROVED.	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

LENGTH OF 16C10 LAMBDA/PRIMATIZED: 711 bp; LISTED FROM: 1 TO: 711;
 TRANSLATED FROM: 1 TO: 709 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:08 AM

```

FRAME 1 M   R   V   P   A   Q   L   L   G   L   L   L   L
          ATG AGG GTC CCC GCT CAG CTC CTG GGG CTC CTG CTG CTC
                   9             18             27             36

W   L   P   G   A   R   C   E   S   V   L   T   Q   P   P
TGG CTC CCA GGT GCA CGA TGT GAG TCT GTC CTG ACA CAG CCG CCC
    45             54             63             72             81

S   V   S   G   A   P   G   Q   K   V   T   I   S   C   T
TCA GTG TCT GGG GCC CCA GGG CAG AAG GTC ACC ATC TCG TGC ACT
    90             99             108            117            126

G   S   T   S   N   I   G   G   Y   D   L   H   W   Y   Q
GGG AGC ACC TCC AAC ATT GGAGGT TAT GAT CTA CAT TGG TAC CAG
    135            144            153            162            171

Q   L   P   G   T   A   P   K   L   L   I   Y   D   I   N
CAG CTC CCA GGA ACG GCC CCC AAA CTC CTC ATC TAT GAC ATT AAC
    180            189            198            207            216

K   R   P   S   G   I   S   D   R   F   S   G   S   K   S
AAG CGA CCC TCA GGA ATT TCT GAC CGA TTC TCT GGCTCC AAG TCT
    225            234            243            252            261

G   T   A   A   S   L   A   I   T   G   L   Q   T   E   D
GGT ACC GCG GCC TCC CTG GCC ATC ACT GGG CTC CAG ACT GAG GAT
    270            279            288            297            306

E   A   D   Y   Y   C   Q   S   Y   D   S   S   L   N   A
GAG GCT GAT TAT TAC TGC CAG TCC TAT GAC AGC AGC CTG AAT GCT
    315            324            333            342            351

Q   V   F   G   G   G   T   R   L   T   V   L   G   Q   P
CAG GTA TTC GGA GGA GGG ACC CGG CTG ACC GTC CTA GGT CAG CCC
    360            369            378            387            396

K   A   A   P   S   V   T   L   F   P   P   S   S   E   E
AAG GCT GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC TCT GAG GAG
    405            414            423            432            441

L   Q   A   N   K   A   T   L   V   C   L   I   S   D   F
CTT CAA GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC TTC
    450            459            468            477            486

```

FIG. 10A - 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Y P G A V T V A W K A D S S P
TAC CCG GGA GCC GTG ACA GTG GCC TGG AAG GCA GAT AGC AGC CCC
495 504 513 522 531

V K A G V E T T T P S K Q S N
GTC AAG GCG GGA GTG GAG ACC ACC ACA CCC TCC AAA CAA AGC AAC
540 549 558 567 576

N K Y A A S S Y L S L T P E Q
AAC AAG TAC GCG GCC AGC AGC TAC CTG AGC CTG ACG CCT GAG CAG
585 594 603 612 621

W K S H R S Y S C Q V T H E G
TGG AAG TCC CAC AGA AGC TAC AGC TGC CAG GTC ACG CAT GAA GGG
630 639 648 657 666

S T V E K T V A P T E C S
AGC ACC GTG GAG AAG ACA GTG GCC CCT ACA GAA TGT TCA TGA
675 684 693 702 711

FIG. 10A - 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

LENGTH OF 16C10 HEAVY/PRIMATIZED: 1431 bp; LISTED FROM: 1 TO: 1431;
 TRANSLATED FROM: 1 TO: 1429 (ENTIRE REGION);
 GENETIC CODE USED: UNIVERSAL; FRI, MAY 26, 1995 11:08 AM

```

FRAME 1 M   K   H   L   W   F   F   L   L   L   V   A   A
          ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT
                    9              18              27              36

P   R   W   V   L   S   Q   V   Q   L   Q   E   S   G   P
CCC AGA TGG GTC CTG TCC CAG GTG CAG CTG CAG GAG TCG GGCCCA
          45              54              63              72              81

G   L   V   K   P   S   E   T   L   S   L   T   C   A   V
GGA CTG GTG AAG CCT TCG GAG ACC CTG TCC CTC ACC TGC GCT GTC
          90              99              108             117             126

S   G   G   S   I   S   G   G   Y   G   W   G   W   I   R
TCT GGT GGCTCC ATC AGC GGT GGT TAT GGCTGG GGCTGG ATC CGC
          135             144             153             162             171

Q   P   P   G   K   G   L   E   W   I   G   S   F   Y   S
CAG CCC CCA GGGAAG GGGCTG GAG TGG ATT GGGAGT TTC TAT AGT
          180             189             198             207             216

S   S   G   N   T   Y   Y   N   P   S   L   K   S   Q   V
AGT AGT GGGAAC ACC TAC TAC AAC CCC TCC CTC AAG AGT CAA GTC
          225             234             243             252             261

T   I   S   T   D   T   S   K   N   Q   F   S   L   K   L
ACC ATT TCA ACA GAC ACG TCC AAG AAC CAG TTC TCC CTG AAG CTG
          270             279             288             297             306

N   S   M   T   A   A   D   T   A   V   Y   Y   C   V   R
AAC TCT ATG ACC GCC GCG GAC ACG GCC GTG TAT TAC TGT GTG AGA
          315             324             333             342             351

D   R   L   F   S   V   V   G   M   V   Y   N   N   W   F
GAT CGT CTT TTT TCA GTT GTT GGAATG GTT TAC AAC AAC TGG TTC
          360             369             378             387             396

D   V   W   G   P   G   V   L   V   T   V   S   S   A   S
GAT GTC TGG GGCCCG GGA GTC CTG GTC ACC GTC TCC TCA GCT AGC
          405             414             423             432             441

T   K   G   P   S   V   F   P   L   A   P   S   S   K   S
ACC AAG GGCCCA TCG GTC TTC CCC CTG GCA CCC TCC TCC AAG AGC
          450             459             468             477             486
  
```

FIG. 10B - 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

T ACC 495	S TCT	G GGGGGC	G ACA	T GCGGCC	A CTG	A GGCTGC	L CTG	G GTC	C AAG	L V	K D	D Y	Y TAC	531	
F TTC 540	P CCC	E GAA	P CCG	V GTG	T ACG	V GTG	S TCG	W TGG	N AAC	S TCA	G GGC	A GCC	L CTG	T ACC	576
S AGC 585	G GGC	V GTG	H CAC	T ACC	F TTC	P CCG	A GCT	V GTC	L CTA	Q GAC	S TCC	S TCA	G GGA	L CTC	621
Y TAC 630	S TCC	L CTC	S AGC	S AGC	V GTG	V GTG	T ACC	V GTG	P CCC	S TCC	S AGC	S AGC	L TTG	G GGC	666
T ACC 675	Q CAG	T ACC	Y TAC	I ATC	C TGC	N AAC	V GTG	N AAT	H CAC	K ACA	P TGC	S CCA	N AAC	T ACC	711
K AAG 720	V GTG	D GAC	K AAG	K AAA	A GCA	E GAG	P CCC	K AAA	S TCT	C TGT	D GAC	K AAA	T ACT	H CAC	756
T ACA 765	C TGC	P CCA	P CCG	C TGC	P CCA	A GCA	P CCT	E GAA	L CTC	L CTG	G GGGGG	G A	P CCG	S TCA	801
V GTC 810	F TTC	L CTC	F TTC	P CCC	P CCA	K AAA	P CCC	K AAG	D GAC	T ACC	L CTC	M ATG	I ATC	S TCC	846
R CGG 855	T ACC	P CCT	E GAG	V GTC	T ACA	C TGC	V GTG	V GTG	V GTG	D GAC	V GTG	S AGC	H CAC	E GAA	891
D GAC 900	P CCT	E GAG	V GTC	K AAG	F TTC	N AAC	W TGG	Y TAC	V GTG	D GAC	G GGC	V GTG	E GAG	V GTG	936
H CAT 945	N AAT	A GCC	K AAG	T ACA	K AAG	P CCG	R CGG	E GAG	E GAG	Q CAG	Y TAC	N AAC	S AGC	T ACG	981
Y TAC 990	R CGT	V GTG	V GTC	S AGC	V GTC	L CTC	T ACC	V GTC	L CTG	H CAC	Q CAG	D GAC	W TGG	L CTG	1026

FIG. 10B - 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

N G K E Y K C K V S N K A L P
AAT GGCAAG GAG TAC AAG TGC AAG GTC TCC AAC AAA GCC CTC CCA
1035 1044 1053 1062 1071

A P I E K T I S K A K G Q P R
GCC CCC ATC GAG AAA ACC ATC TCC AAA GCC AAA GCC AAA CCC CGA
1080 1089 1098 1107 1116

E P Q V Y T L P P S R D E L T
GAA CCA CAG GTG TAC ACC CTG CCC CCA TCC CGG GAT GAG CTG ACC
1125 1134 1143 1152 1161

K N Q V S L T C L V K G F Y P
AAG AAC CAG GTC AGC CTG ACC TGC CTG GTC AAA GGCTTC TAT CCC
1170 1179 1188 1197 1206

S D I A V E W E S N G Q P E N
AGC GAC ATC GCC GTG GAG TGG GAG AGC AAT GGG CAG CCG GAG AAC
1215 1224 1233 1242 1251

N Y K T T P P V L D S D G S F
AAC TAC AAG ACC ACG CCT CCC GTG CTG GAC TCC GAC TCC TCC TTC
1260 1269 1278 1287 1296

F L Y S K L T V D K S R W Q Q
TTC CTC TAC AGC AAG CTC ACC GTG GAC AAG AGC AGG TGG CAG CAG
1305 1314 1323 1332 1341

G N V F S C S V M H E A L H N
GGGAAC GTC TTC TCA TGC TCC GTG ATG CAT GAG GCT CTG CAC AAC
1350 1359 1368 1377 1386

H Y T Q K S L S L S P G K
CAC TAC ACG CAG AAG AGC CTC TCC CTG TCT CCG GGT AAA TGA
1395 1404 1413 1422 1431

FIG. 10B - 3